FORM OGC-3

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

# APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☐ FOR AN OIL WELL ☒ OR GAS WELL

| NAME OF COMPANY OR OPERATOR | | DATE | |
|---|---|---|---|
| CECIL E. MILLER, JR. | | 9-13-89 | |
| **ADDRESS** | **CITY** | **STATE** | **ZIP CODE** |
| 20602 DEAN RD. | BELTON | MO. | 64012 |

## DESCRIPTION OF WELL AND LEASE

| NAME OF LEASE | WELL NUMBER | ELEVATION (GROUND) |
|---|---|---|
| MILLER | #1 | 946 |

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINE)

702-6 FT. FROM (N) (S) 1/4 SECTION LINE _____ FEET FROM (E) (W) 1/4 SECTION LINE 506-2 FT.

| WELL LOCATION | SECTION | TOWNSHIP | RANGE | COUNTY |
|---|---|---|---|---|
| | 1 | 45N | 33 | CASS |

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE _____ FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED — FOR WELL ON THE SAME LEASE _____ FEET

| PROPOSED DEPTH | DRILLING CONTRACTOR, NAME AND ADDRESS | ROTARY OR CABLE TOOLS | APPROX. DATE WORK WILL START |
|---|---|---|---|
| 500 | F.E. YOUNG DRILLING | ROTARY | 9/30/89 |

NUMBER OF ACRES IN LEASE: 3.3

NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 1

NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME N/A

ADDRESS _____

NO. OF WELLS: PRODUCING 0 INJECTION 0 INACTIVE 0 ABANDONED 0

| STATUS OF BOND | | | |
|---|---|---|---|
| | ☒ SINGLE WELL AMOUNT $ | ☐ BLANKET BOND AMOUNT $ | ☐ ON FILE ☐ ATTACHED |

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

N/A

RECEIVED
SEP 22 1989
MO Oil & Gas Council
Geological Survey

| PROPOSED CASING PROGRAM | | | | APPROVED CASING — TO BE FILLED IN BY STATE GEOLOGIST | | | |
|---|---|---|---|---|---|---|---|
| AMOUNT | SIZE | WT/FT | CEM. | AMOUNT | SIZE | WT/FT | CEM. |
| 100' | 6 5/8" | 11 | to surface | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

I, the undersigned, state that I am the OWNER of the SAID PROPERTY (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE Cecil E. Miller, Jr. DATE 9-13-89

PERMIT NUMBER 20511

APPROVAL DATE 10-3-89

APPROVED BY Lana Holly Williams

☑ DRILLER'S LOG REQUIRED ☑ E-LOGS REQUIRED IF RUN
☑ CORE ANALYSIS REQUIRED IF RUN ☑ DRILL STEM TEST INFO. REQUIRED IF RUN
☐ SAMPLES REQUIRED
☒ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT _____

**NOTE ▶** THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

| DRILLER'S SIGNATURE | DATE |
|---|---|
| | |

MO 780-0211 (2-88) **REMIT TWO COPIES TO:** MISSOURI OIL AND GAS COUNCIL, P.O. BOX 250, ROLLA, MO 65401

X

**MISSOURI OIL AND GAS COUNCIL**
**WELL LOCATION PLAT**

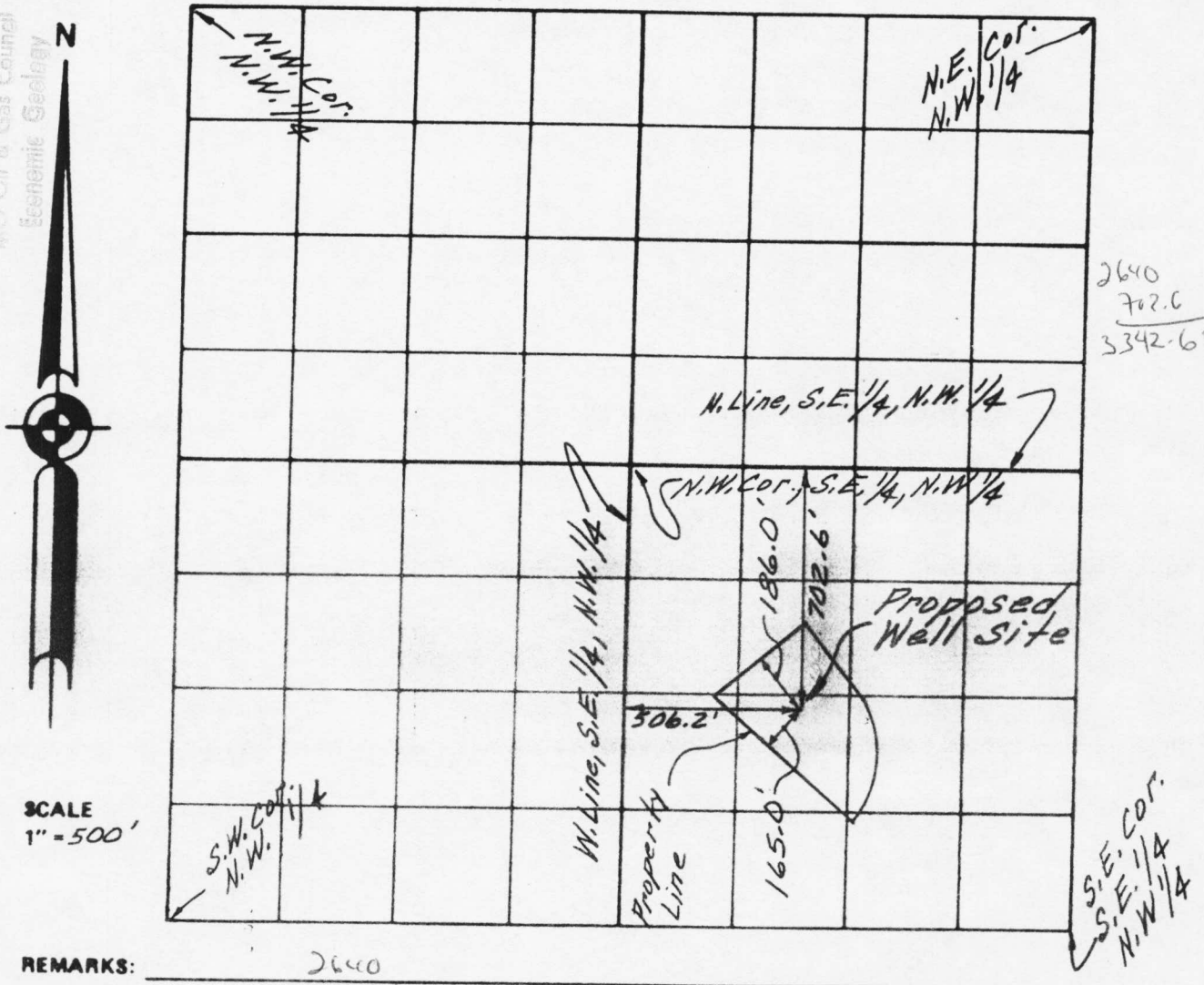
Form OGC–4



**Owner:** Cecil Miller

**Lease Name:** _____ **County:** Cass

702.6 feet from N (N) - (S) line and 506.2 feet from W (E) - (W) line SE¼, NW¼ of Sec. 1, Twp. 45 N, Range 33.




2640
702.6
3342.6 FM

**REMARKS:**

2640
506.2
3146.2

**INSTRUCTIONS**

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, Mo. 65401
One will be returned.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

(SEAL)

Thomas W. Lawson
Registered Land Surveyor

1958
Number

RECEIVED
DEC 13 1989
MO Oil & Gas Council
Economic Geology

Form OGC-5

MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☒ GAS ☐ DRY

| OWNER | ADDRESS |
|---|---|
| CECIL MILLER | 20602 DEAN RD BELTON, MO |
| **LEASE NAME** | **WELL NUMBER** |
| CECIL MILLER | #1 |

| LOCATION | SEC. TWP. AND RANGE OR BLOCK AND SURVEY |
|---|---|
| BELTON, MO. | SE1, T45N, R33W |

| COUNTY | PERMIT NUMBER (OGC-3 OR OGC-31) |
|---|---|
| CASS | 20511 |

| DATE SPUDDED | DATE TOTAL DEPTH REACHED | DATE COMPLETED READY TO PRODUCE OR INJECT | ELEVATION (DF, RKR, RT, OR Gr.) FEET | ELEVATION OF CASING HD. FLANGE FEET |
|---|---|---|---|---|
| 10/10/89 | 10/17/89 | 11/10/89 | 950 | 952 |

| TOTAL DEPTH | PLUG BACK TOTAL DEPTH |
|---|---|
| 420 | |

| PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION | ROTARY TOOLS USED (INTERVAL) | CABLE TOOLS USED (INTERVAL) |
|---|---|---|
| GAS AT 360 FEET | 0 TO 420 | |
| | DRILLING FLUID USED WATER | |

| WAS THIS WELL DIRECTIONALLY DRILLED? | WAS DIRECTIONAL SURVEY MADE? | WAS COPY OF DIRECTIONAL SURVEY FILED? | DATE FILED |
|---|---|---|---|
| NO | NO | NO | |

| TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) | DATE FILED |
|---|---|
| NONE | |

## CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

| PURPOSE | SIZE HOLE DRILLED | SIZE CASING SET | WEIGHT (LB. FT) | DEPTH SET | SACKS CEMENT | AMOUNT PULLED |
|---|---|---|---|---|---|---|
| SURFACE STRING | 9 7/8" | 6" HEAVY WALL | 11 | 0'-109' | 30 | NONE |
| LINER | 5 7/8" FROM 109'-420' | 4" PVC | SCH-40 | 0-420 | NONE | NONE |

## TUBING RECORD

| SIZE IN. | DEPTH SET FEET | PACKER SET AT FEET | SIZE INCH |
|---|---|---|---|
| | | | |

## LINER RECORD

| TOP FEET | BOTTOM FEET | SACKS CEMENT | SCREEN FEET |
|---|---|---|---|
| | | | |

## PERFORATION RECORD

| NUMBER PER FEET | SIZE AND TYPE | DEPTH INTERVAL |
|---|---|---|
| 100' | DRILLED HOLES | 420'-320' |

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

| AMOUNT AND KIND OF MATERIAL USED | DEPTH INTERVAL |
|---|---|
| NONE | NONE |

## INITIAL PRODUCTION

| DATE OF FIRST PRODUCTION OR INJECTION | PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) |
|---|---|
| 11/22/89 | FLOWING 125MCF |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | OIL PRODUCED DURING TEST bbls. | GAS PRODUCED DURING TEST MCF | WATER PRODUCED DURING TEST bbls. | OIL GRAVITY API (CORR.) |
|---|---|---|---|---|---|---|
| 11/20/89 | 5 | 1" | 0 | 125 | N/A | N/A |

| TUBING PRESSURE | CASING PRESSURE | CAL'TED RATE OF PRODUCTION PER 24 HOURS | OIL bbls. | GAS MCF | WATER bbls. | GAS OIL RATIO |
|---|---|---|---|---|---|---|
| 90# | 90# | 125MCF | 0 | 125 | | N/A |

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)
USED FOR FUEL NOTE: WELL NOT YET HOOKED UP TO HOUSE FURNACE

METHOD OF DISPOSAL OF MUD PIT CONTENTS
SLUSH PITS

**CERTIFICATE:** I, THE UNDERSIGNED, STATE THAT I AM THE SALES ENGR, OF THE FE YOUNG DRILLING CO COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

| DATE | SIGNATURE |
|---|---|
| 12/7/89 | Rod L. Young |

MO 780-0215 (1-86) (Rev. 1-86)

**INSTRUCTIONS:** ATTACH DRILLERS LOG OR OTHER ACCEPTABLE LOG OF WELL.

* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

**DETAIL OF FORMATIONS PENETRATED** *

| FORMATION | TOP | BOTTOM | DESCRIPTION (SEE * ABOVE) |
|---|---|---|---|
| SURFACE | 0 | 1 | |
| SANDY CLAY | 1 | 9 | |
| LIME | 9 | 25 | |
| SHALE | 25 | 35 | |
| LIME | 35 | 36 | |
| SHALE | 36 | 41 | |
| LIME | 41 | 66 | |
| SHALE | 66 | 74 | |
| LIME | 74 | 95 | |
| SHALE | 95 | 98 | (WATER 2GPM) |
| LIME | 98 | 101 | |
| SHALE | 101 | 103 | |
| LIME | 103 | 108 | |
| SHALE | 108 | 130 | |
| SANDSTONE LAYERS IN SHALE | 130 | 140 | |
| SHALE DARK | 140 | 175 | |
| SHALE | 175 | 248 | |
| SANDSTONE LAYERS | 248 | 257 | |
| SHALE | 257 | 270 | |
| SHALE GREEN | 270 | 290 | |
| SHALE RED | 290 | 296 | |
| LIME | 296 | 301 | |
| SHALE | 301 | 320 | |
| LIME | 320 | 328 | |
| SHALE | 328 | 348 | |
| LIME | 348 | 352 | |
| SHALE BLACK | 352 | 355 | ( |
| SHALE | 355 | 420 | (GAS AT 360' 125MCF THRU 4" DRILL ROD) |